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35. (NEW) The cross-connect waveguide system of claim 1, wherein said planar lightguide circuit comprises at least one of a high index film or substrate with a dopant diffused therein.

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36. (NEW) The cross-connect waveguide system of claim 1, wherein the one or more filtering devices operate in at least one of a 1310 nanometer wavelength region and a 1550 nanometer region.

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37. (NEW) The cross-connect waveguide system of claim 1, wherein the one or more filtering devices differentiate between light channels spaced less than two nanometers apart.

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38. (NEW) The cross-connect waveguide system of claim 1, wherein the one or more filtering devices have transmission levels greater than ninety percent at a first wavelength and block at least 25 decibels down at adjacent channels spaced 1.8 nanometers away from said first channel.

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39. (NEW) The cross-connect waveguide system of claim 1, wherein the one or more filtering devices block at least 35 decibels for non-adjacent channels.

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40. (NEW) The cross-connect waveguide system of claim 38, wherein the one or more filtering devices comprise a tunable filter.

REMARKS

Claims 1-6 have been replaced with new Claims 7-40 in order to further define the inventive aspects of the present application. Claims 7-40 are now pending in the present application. The independent claims are Claims 7 and 23.

Attached hereto under separate cover is an information disclosure statement (PTO-1449). This IDS lists references that were cited in a foreign search report on July 28, 2000 for a PCT application corresponding to this U.S. patent application.

Also attached hereto under separate cover is an assignment document. According to this document, the inventor assigns all rights to the present application to CIRREX Corp. of Atlanta, Georgia. Relating to this assignment, it is noted that a change of name document was filed on July 7, 2000 for recordation purposes for the present application. This change of name document indicated a company previously known as "Visionex, Inc." of Atlanta, Georgia officially changed its corporate name to "CIRREX Corp." However, since an assignment document did not exist (that assigned the rights to the invention to Visionex, Inc.), the change of name document filed on July 7, 2000 was not necessary for this application. The Applicant wants to make the assignment records at the USPTO clear that an assignment document was not executed for this application in which the inventor assigned all of his rights to Visionex, Inc. In other words, while the inventor was under a contractual obligation to assign his rights to the present application to Visionex, Inc., such an action was not taken by the inventor until after the company changed its name to CIRREX Corp.

If any issues remain that may be resolved by a telephone conference, the Examiner is requested to call the undersigned at 404.572.2884.

Respectfully submitted,



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